

Flight test AUG 14

Work Order ID 72671

Thursday, August 04, 2011 2:44:06 PM



~~PRELIMINARY ISSUE~~

Page 1

Item ID: D4428-1

Accept



Setup Start



Revision ID: PRELIM

Item Name: Bushing

Stop



Start Date: 8/4/2011 Start Qty: 2.00



Cust Item ID:

Required Date: 8/8/2011 Req'd Qty: 2.00



Customer:

Reference:

Approvals:

Process Plan:

Handwritten signature

Date: 11-08-11

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4428

PAI

Handwritten signature

100

0.00



Hardinge

Hardinge CNC LATHE SMALL

Memo

0.00

Handwritten note: ok 11/08/11

Handwritten numbers: 2 0

Hardinge CNC Lathe Small

Machine as per folio FB063 AND DWG

DWG REV: PAI

FOLIO REV: N/A

DEBURR

110

0.00



QC

QC2- Inspect parts off machine FAI/FAIB

Memo

0.00

Handwritten note: ok 11/08/11

Handwritten numbers: 2 0

Quality Control

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____






NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			



NOTE: Date & initial all entries




Work Order ID 72671

Thursday, August 04, 2011 2:44:06 PM

Page 2

Item ID:	D4428-1	Accept		Setup	Start	
Revision ID:	PRELIM				Stop	
Item Name:	Bushing					
Start Date:	8/4/2011	Start Qty: 2.00		Cust Item ID:		
Required Date:	8/8/2011	Req'd Qty: 2.00		Customer:		
Reference:						

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	
	QC:	Date:	SPC (Y/N):	Date:		Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC8- Inspect parts - second check	0.00							
									
QC	Memo	0.00				2	0		
Quality Control									
130	Identify as per dwg & Stock Location:	0.00							
									
Packaging	Memo	0.00							
Packaging	***STOCK IN SKIDTUBE CELL***								
140	QC21- Final Inspection - Work Order Release	0.00							
									
QC	Memo	0.00							
Quality Control									

- inspector to Rev A
Drawing (attached).
Sub 116 (2)

POSITIVE RECALL

EFFECTIVE AUTH
RELEASED MP DATE 11/08/16

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Thursday, August 04, 2011 2:44:13 PM

Page 1
T

Work Order ID: 72671



Parent Item: D4428-1



Parent Item Name: Bushing



Start Date: 8/4/2011

Required Date: 8/8/2011

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP REV:A NEW ISSUE 11-07-29 JLM VERIFIED BY:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M303R0.375 		Purchased	No				f	29.5110		0.189474			
303 Round Bar 0.375"													

Location

Loc Qty

Loc Code

MAT028

29.511

→ 115806

5.421

115868

24.09

.26

ack 11/08/11

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

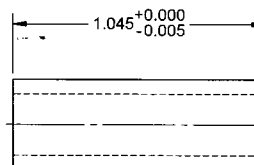
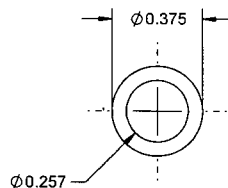
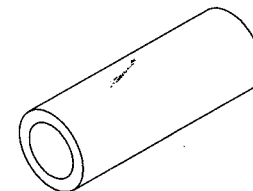
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

PRELIMINARY A1
11.07.29 AJS



D4428-1 BUSHING

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 72671

NOTES:

- 1) MATERIAL: AISI 303 STAINLESS STEEL ROUND BAR PER ASTM A582
REF. DART SPEC M303R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.02 lbs

PA1	PRELIMINARY	AJS	11.07.29
REV.	DESCRIPTION		BY DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. PA1
MFG. APPR.		D4428	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BUSHING	NTS
DATE	11.07.29	COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

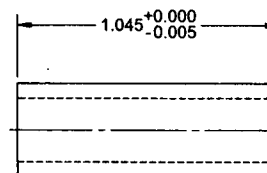
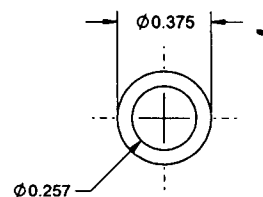
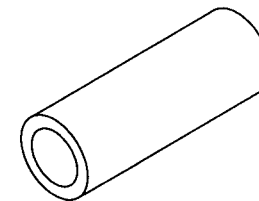
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries






D4428-1 BUSHING

72671

RELEASE
2011-08-02

NOTES:

- 1) MATERIAL: AISI 303 STAINLESS STEEL ROUND BAR PER ASTM A582
REF. DART SPEC M303R
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: NONE
- 7) WEIGHT: 0.02 lbs

A		NEW ISSUE		AJS	11.07.28
REV.		DESCRIPTION		BY	DATE
DESIGN		AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
DRAWN		AJS			
CHECKED			DRAWING NO. D4428		REV. A
MFG. APPR.					SHEET 1 OF 1
APPROVED			TITLE BUSHING		SCALE
DE APPR.					NTS
DATE		11.07.28	COPYRIGHT © 2011 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>		

Receiving Report

Date: 10/9/30

Batch No: 1115806

Supplier: METALUX SOLUTION

Dart P/O: 12670

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection 8 N/A ☒
 Work Order 1010104 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12 [Signature]

Production/Admin: 10/9/30
 Date [Signature]
 Received/Costing [Signature]
 Initial [Signature]

Location _____

Purchase Order Receipt Listing

Page 1 of 1

Thursday, September 30, 2010 1:18:40 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO12610 Receipt Dates from 9/30/2010 to 9/30/2010 All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-MET002	Metaux Solutions								
PO12610	1		M174B1.250X02.000 f		9/30/2010	9/30/2010	25.6600	\$65.20	0.0000	0	\$1,673.03
CAD	No		17-4 SS Bar 1.250 x f 2.00 115806		24.0000	DESJ02		\$1,673.03	0.0000	0	
	2		M174B1.500X02.250 f		9/30/2010	9/30/2010	25.1600	\$88.30	0.0000	0	\$2,221.63
	No		17-4 SS Bar 1.50 f X2.250 115806		24.0000	DESJ02		\$2,221.63	0.0000	0	
	3		M303R0.375 f		9/30/2010	9/30/2010	12.0000	\$2.90	0.0000	0	\$34.80
	No		303 Round Bar f 0.375" 115806		12.0000	DESJ02		\$34.80	0.0000	0	
	4		M303R0.750 f		9/30/2010	9/30/2010	12.0000	\$8.95	0.0000	0	\$107.40
	No		303 Round Bar 0.750 f 115806		12.0000	DESJ02		\$107.40	0.0000	0	
	5		M7075T6B1.500X1.5 f 00		9/30/2010	9/30/2010	12.0000	\$30.95	0.0000	0	\$371.40
	No		7075 T6 BAR 1.500 f x 1.500 115806		12.0000	DESJ02		\$371.40	0.0000	0	
Total Received Quantity:										86.8200	
Total Qty to Inspect (PO U/M):										0.0000	
Total Reject Quantity:										0.0000	
Total Receipt Value:										\$4,408.26	
Total Balance Due Quantity:										0.0000	

Shipping Order

01/10/2010

METAUX SOLUTIONS INC.
2108, 32E AVENUE
LACHINE, QUEBEC
H8T 3H7

Tel.: 514 633-8010

Customer: 6323336

Order : 110895
Reference : PO12612
Bid : 6997
Ship : NOTRE CAMION / OUR TRUCK

Ship To

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
SF1142174	17-4PH FLAT 1.250 X 2.00 2 X 12.83' HT: 250951	25.66	25.66	Ø
SF112214174	17-4 PH FLAT SOL ANN 1.500" X 2.250" 2 X 12.58' HT: 219636	25.16	25.16	Ø
SR383	303 ROU .375 DIA 1 X 12' HT: 5880	12	12	Ø
SR343	303 ROU .750 DIA 1 X 12' HT: 423875	12	12	Ø
ASQ11275	7075T-6511 1.500" X 1.500" 1 X 12' ***** HT: 10024301	12	12	Ø

CL10/07/30

DELAI 7 JOURS APPROX MERCI

SHIP TST COLLECT #222212

JP

Shipping : _____

Package No : _____

Merchandise Received: _____

Ref. : _____

11-11-68
NORTH ALABAMA FLYING
670 HIGHWAY 42 EAST
GHEENT, KY 41005

NEUROLOGICAL TEST REPORT

1542 2P VAB 9 11 04 00

CONFIDENTIAL 5 370051-20071200

007068 001

उत्तर :-

COE 120048

STUDY OBJECTIVES

TO DIRECTOR FBI : 100-37555

980873 130000 3701

RECEIVED

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-14-2010 BY 60322 UCBAW

Produced & manufactured by the U.S. Product Company, Inc., 1000 Broadway, New York, N.Y. 10003. All rights reserved. No other name or name of the manufacturer is to be used in connection with the material herein.

10/07/01 S

Product ID	Size & Weight	Weight	Length	Mark	Phone Commodity Code
1	1.7550	782	144.00	1	1

SIXTY TWO

[illegible]

MECHANICAL PROPERTIES

Product ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Product ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

NAS hereby certifies that the analysis on this certification is correct and the material meets the specification stated.

SECRET

SEVEN CINE

6007/20/6

Produttore: ADONALATHE VALSARTINA S.P.A.
Indirizzo: 10121 Ivrea

Finestra del Cristallino
Quattro le Voci del Cristallino
Quattro le Voci del Cristallino



C.A.B. Stainless Steels Inc.
Your South American Stainless Steel Partner
PAINLESS STAINLESS
1-800-243-5711

Pagina - 1 di 1

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

Certification Date
28-SEP-2010

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number
T282824

29056-J
PART NUMBER/NUMÉRO DE PIÈCE

513349

SOLD TO: METAUX SOLUTIONS INC.
VENDU À: 9060-0388 QUEBEC INC.
1320 VOLTA
BOUCHERVILLE QC J4B 6G6

SHIP TO:
EXPÉDIÉ À:

METAUX SOLUTIONS (MONTREAL)
2108 32 IEME AVENUE
LACHINE QC H8T 3H7

Description: 7075-T651 CF BAR AMS QQ A 225/9, QQ A 225/9
1-1/2 SQ X 12' Line Total: 33 LB
HEAT: 10024301 ITEM: 513349

Specifications:
QQ A 225/9 E*
ISO 9001
REQUIREMENTS OF
AS9100B:2004

ASTM B211 03
AMS QQ A 225/9
T6 TEMPER
ROHS COMPLIANT

AMS 4123 H
MEET THE
AMS 4122K
*CANCELLED

ALUMINIUM CHEMICAL ANALYSIS

DESCRIPTION:

	SI	FE	CU	MN	MG	CR	ZN	TI
MIN			1.2		2.1	0.18	5.1	
MAX	0.4	0.5	2.0	0.3	2.9	0.28	6.1	0.2

OTHERS : EACH TOTAL
0.05 0.15 AL REMAINDER

RCPT: R168466

COUNTRY OF ORIGIN : USA

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS
	77.4	83.6	16.0		

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOSEF DUBE

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 02 of 02

Certification Date
28-SEP-2010

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number
T282824

29056-J
PART NUMBER/NUMÉRO DE PIÈCE

513349

SOLD TO: METAUX SOLUTIONS INC.
VENDU À: 9060-0388 QUEBEC INC.
1320 VOLTA
BOUCHERVILLE QC J4B 6G6

SHIP TO:
EXPÉDIÉ À:

METAUX SOLUTIONS (MONTREAL)
2108 32 IEME AVENUE
LACHINE QC H8T 3H7

Description: 7075-T651 CF BAR AMS QQ A 225/9, QQ A 225/9
1-1/2 SQ X 12'
HEAT: 10024301
Line Total: 33 LB
ITEM: 513349

MATERIAL IS FREE FROM MERCURY CONTAMINATION

COMMENTS

MELTED & MFG IN USA

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOSEE DUBE

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

Certification Date
28-SEP-2010

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

29056-J
PART NUMBER/NUMÉRO DE PIÈCE

511760

Invoice Number
T282823

SOLD TO: METAUX SOLUTIONS INC.
VENDU À: 9060-0388 QUEBEC INC.
1320 VOLTA
BOUCHERVILLE QC J4B 6G6

SHIP TO:
EXPÉDIÉ À:

METAUX SOLUTIONS (MONTREAL)
2108 32 IEME AVENUE
LACHINE QC H8T 3H7

Description: 17-4 HRAP BAR SOL ANN ASTM A564
1-1/2 X 2-1/4 FLAT X 12' R/L
HEAT: 219636

Line Total: 294 LB

ITEM: 511760

Specifications:

AMS 5643 O
AMS 2303 C

ASTM A564 T630 04
ASTM A484 06

ASME SA564 T630

CHEMICAL ANALYSIS

C	SI	MN	P	S	CR	NI	MO
0.024	0.43	0.63	0.0180	0.001	15.14	4.50	0.10
TI	CO	N	CU	NB			
0.001	0.069	0.024	3.01	0.25			

RCPT: R209606

COUNTRY OF ORIGIN : GERMANY

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR MPa	ULT TEN MPa	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
COND A	1190.0	1264.0	17.8	62.7	333
DEV: H900 L	1349.0	1438.0	14.1	51.3	428

GRAIN SIZE : 5 -

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOSEE DUBE

CERTIFICATE F TEST
CERTIFICAT D'ESSAIS

Page 02 of 02

Certification Date
28-SEP-2010

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

29056-J
PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number
T282823

511760

SOLD TO: METAUX SOLUTIONS INC.
VENDU À: 9060-0388 QUEBEC INC.
1320 VOLTA
BOUCHERVILLE QC J4B 6G6

SHIP TO:
EXPÉDIÉ À:

METAUX SOLUTIONS (MONTREAL)
2108 32 IEME AVENUE
LACHINE QC H8T 3H7

Description: 17-4 HRAP BAR SOL ANN ASTM A564
1-1/2 X 2-1/4 FLAT X 12' R/L
HEAT: 219636

Line Total: 294 LB

ITEM: 511760

MATERIAL IS FREE FROM MERCURY CONTAMINATION
THERMAL TREATMENT: OK
MACRO: OK
MICRO1: OK

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOSEE DUBE

CERTIFICATE OF TEST CERTIFICAT D'ESSAIS

Page 01 of 02

Certification Date
28-SEP-2010

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number
T282825

29056-J
PART NUMBER/NUMÉRO DE PIÈCE
511751

SOLD TO: METAUX SOLUTIONS INC.
VENDU À: 9060-0388 QUEBEC INC.
1320 VOLTA
BOUCHERVILLE QC J4B 6G6

SHIP TO:
EXPÉDIÉ À:

METAUX SOLUTIONS (MONTREAL)
2108 32 IEME AVENUE
LACHINE QC H8T 3H7

Description: 17-4 HRAP BAR SOL ANN ASTM A564
1-1/4 X 2 FLAT X 12' R/L
HEAT: 250951

Line Total: 217 LB

ITEM: 511751

Specifications:
AMS 5643 R
AMS 2303 E
DFARS COMPLIANT

ASTM A564 T630 04
ASTM A370 09A

ASME SA564 T630 07
EN 10204:2005 3.1

CHEMICAL ANALYSIS

C	SI	MN	CR	MO	CU	NI	CO
0.038	0.49	0.49	15.02	0.20	3.30	4.53	0.04
NBTA	P	S	N	CB	TA		
0.25	0.023	0.003	0.041	0.25	0.001		

RCPT: R228989

COUNTRY OF ORIGIN : ITALY

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED IN AREA	HARDNESS BHN
COND A					332
DESCRIPTION	YLD STR	ULT TEN	%ELONG	%RED	HARDNESS
DEV: H900 L	KSI	KSI	IN 02 IN	IN AREA	BHN
	185.0	202.0	16.0	53.0	430

GRAIN SIZE : 5

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOSEE DUBE

CERTIFICATE F TEST CERTIFICAT D'ESSAIS

Page 02 of 02

Certification Date
28-SEP-2010

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Invoice Number
T282825

29056-J
PART NUMBER/NUMÉRO DE PIÈCE

511751

SOLD TO: METAUX SOLUTIONS INC.
VENDU À: 9060-0388 QUEBEC INC.
1320 VOLTA
BOUCHERVILLE QC J4B 6G6

SHIP TO:
EXPÉDIÉ À:

METAUX SOLUTIONS (MONTREAL)
2108 32 IEME AVENUE
LACHINE QC H8T 3H7

Description: 17-4 HRAP BAR SOL ANN ASTM A564
1-1/4 X 2 FLAT X 12' R/L
HEAT: 250951

Line Total: 217 LB

ITEM: 511751

MATERIAL IS FREE FROM MERCURY CONTAMINATION
NO WELD REPAIR PERFORMED ON MATERIAL
ULTRASONIC: ASTM A388/API 6A PSL3
THERMAL TREATMENT: OK
ANNEALING TEMPERATURE 1904 DEG F FOR 1H, AIR COOL
TO BELOW 90 F
MACRO: OK
MICRO: OK

COMMENTS

MELTED & MFG IN ITALY

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOSEE DUBE



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO12610

Purchase Order Date 9/21/10

PO Print Date 9/21/10

Page Number 1 of 2

Order From :

VC-MET002

METAUX SOLUTIONS
1320 C, VOLTA
BOUCHERVILLE, QC J4B 6G6
CA

Contact Name

Vendor Phone 800 558 8858

Vendor Fax 514 633 8044

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Chantal Lavoie

Ship To :

DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FC 10/9/2

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M174B1.250X02.000	17-4 SS Bar 1.250 x 2.00	9/30/10 Yes	24.00	TST ground	\$65.2000	\$1,564.80
		Special Inst: MATERIAL: 17-4 PH SS BAR PER AMS 5604/5643 GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD TENSILE STRENGTH = 100 KSI MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI					
2	M174B1.500X02.250	17-4 SS Bar 1.50 X2.250	9/30/10 Yes	24.00	TST ground	\$88.3000	\$2,119.20
		Special Inst: MATERIAL SPEC'S AS ABOVE					
3	M303R0.375	303 Round Bar 0.375"	9/30/10 Yes	✓ 2.00	TST ground	\$2.9000	\$34.80
		Special Inst: MATERIAL: AISI 303 SS ROUND BAR NOTE: AISI 304/316 NOT ACCEPTABLE					

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 9/21/10



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO12610

Purchase Order Date 9/21/10

PO Print Date 9/21/10

Page Number 2 of 2

Order From :

VC-MET002

METAUX SOLUTIONS
1320 C, VOLTA
BOUCHERVILLE, QC J4B 6G6
CA

Contact Name

Vendor Phone 800 558 8858

Vendor Fax 514 633 8044

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

4	M303R0.750	303 Round Bar 0.750	9/30/10	12.00	TST ground	\$8.9500	\$107.40
			Yes	f			

Special Inst: MATERIAL SPEC'S AS ABOVE

5	M7075T6B1.500X1.500	7075 T6 BAR 1.500 x 1.500	9/30/10	12.00	TST ground	\$30.9500	\$371.40
			Yes	f			

Special Inst: MATERIAL: 7075-T6 OR
T651/T6510/T6511/T62 ALUMINUM BAR
AS PER AMS-QQ-A-225/9 OR AMS
4122/4123/4186/4187 OR
PER AMS-QQ-A-200/11

PO Total:

\$4,197.60

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

Change Nbr: 1

Change Date: 9/21/10

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable